

IN THE CLAIMS

✓ Please cancel Claims 2, 5, 6, 14 and 15.

a' 1. (once amended) An electronically commutated brushless motor comprising:

✓ a motor housing;

✓ a bearing end cap coupled to said motor housing adapted to couple said motor to a motor driven product; and

a double insulated rotor and stator assembly annularly fitted in said housing, said double insulated rotor and stator assembly comprising a rotor assembly, wherein said rotor assembly comprises:

✓ a shaft configured to deliver torque to said motor driven product;

✓ a rotor stack coupled to said shaft; and

✓ a non-conductive electrically insulating tube disposed on said shaft between said shaft and said rotor stack, thereby providing a first layer of electrical insulation. ✓

2
3. (once amended) The motor of Claim 1, wherein said double insulated rotor and stator assembly comprises a stator assembly, and wherein said stator assembly comprises:

✓ a stator stack comprising a plurality of stator slots;

non-conductive electrically insulating material disposed into said stator slots around said windings in said stator slots, thereby providing a second layer of electrical insulation.

 a^2 a^3

✓

 a^4

a5

✓

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a5
cancel
✓ a plurality of windings wound in said stator slots, said windings configured to generate a revolving magnetic field; ✓

✓ a first layer of electrical insulation between current carrying components of said motor and accessible metal of said motor, said first layer comprising a non-conductive electrically insulating material disposed into said stator slots around said windings in said stator slots; ✓

✓ a shaft configured to deliver torque to said motor driven product;

✓ a rotor stack comprising a stack of steel laminations configured to rotate in said revolving magnetic field and thereby deliver torque to said shaft; and

✓ a second layer of electrical insulation between current carrying components of said motor and accessible metal of said motor, said second layer comprising a non-conductive electrically insulating tube disposed on said shaft between said shaft and said rotor stack. ✓